

# PART 7

## BLUEPRINT INVESTMENTS BY COUNTY

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*Part 7 provides a summary list of “Blueprint” investments by county. Blueprint projects are those that cannot be funded under the RTP’s 25 year forecasted revenues, but could be advanced with new revenues such as: new or renewed local sales tax, increased state funding, a regional gas tax, and new bridge tolls. Many of these projects have been described in MTC’s 2000 Bay Area Transportation Blueprint for the 21<sup>st</sup> Century Project Notebook (June 2000).*

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## BLUEPRINT INVESTMENTS

## BAY AREA REGION

RTP Reference Number	Project/Program	(In Millions of 2001 Dollars)			Notes
		Total Project Cost	Existing Funding	Blueprint Funds	
REGION					
21052	Expanded Express Bus Program: All express bus routes not specifically called out in Track 1 and Blueprint	TBD	TBD	TBD	
21066	California High Speed Rail with terminal in San Francisco	TBD	TBD	TBD	Pursuant to on-going California High Speed Rail environmental studies
21842	Rideshare Program	\$47.5	\$0.0	\$47.5	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21843	TravInfo®	\$50.0	\$0.0	\$50.0	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21844	Regional Transportation Marketing	\$37.5	\$0.0	\$37.5	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21845	TransLink®	\$15.0	\$0.0	\$15.0	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21846	Regional Transit Information System	\$2.4	\$0.0	\$2.4	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21847	Traffic Engineering Technical Assistance Program (TETAP)/Arterial Signal Re-timing	\$49.0	\$0.0	\$49.0	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21848	Pavement Management Technical Assistance Program (P-TAP)	\$25.0	\$0.0	\$25.0	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21849	Freeway Service Patrol/Call Boxes	\$65.2	\$0.0	\$65.2	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21850	Freeway Operations Strategies	\$91.0	\$0.0	\$91.0	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21851	Clearing Lanes Efficiently and Rapidly (CLEAR) Incident Management	\$52.8	\$0.0	\$52.8	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21852	Regional Intelligent Transportation Systems (ITS) Integration	TBD	TBD	TBD	Enhanced program; refer to Part 2 of MTC's 2001 RTP Project Notebook
21883	Blueprint Express Bus Program: Various routes defined in MTC's Blueprint	\$3,410.0	\$0.0	\$3,410.0	Refer to MTC's Blueprint Project Notebook (June 2000); approximate total capital and 25-year operating costs shown
21980	Capitol Corridor intercity rail expansion (Phase 2)	\$284.0	\$0.0	\$284.0	Included in the Regional Transit Expansion Policy.

**BLUEPRINT INVESTMENTS****BAY AREA REGION**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
TRANSBAY BAY BRIDGE					
21059	New rail tube under the Bay - BART, rail, or combination (concept under evaluation in Bay Crossings Study)	TBD	TBD	TBD	
21067	California High Speed Rail: extend high speed service from San Francisco under Bay to Sacramento along Capitol Corridor	TBD	TBD	TBD	Project to be evaluated in MTC's Bay Crossing Study (underway)
21882	Blueprint Ferry Program: Various routes defined in MTC's Blueprint	\$2,700.0	\$0.0	\$2,700.0	Refer to MTC's Blueprint Project Notebook (June 2000); approximate total capital and 25-year operating costs shown

**BLUEPRINT INVESTMENTS****ALAMEDA COUNTY**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
ALAMEDA COUNTY-WIDE					
21104	Traffic management/SMART corridor improvements in Oakland	\$25.0	\$5.0	\$20.0	
21154	Bus acquisition for transbay, express, subscription, or local services	\$38.0	\$0.0	\$38.0	
21156	BART automatic faregate expansion	\$29.6	\$0.0	\$29.6	
21159	AC Transit maintenance facilities expansion (right-of-way and environmental study)	\$2.0	\$0.0	\$2.0	
21160	Major corridor enhancement program	\$275.0	\$0.0	\$275.0	Corridors to be determined
21161	Improved access to city of Alameda (example: amphibious bus)	\$3.5	\$0.0	\$3.5	
21162	Bike and pedestrian improvements along Atlantic Avenue corridor	\$5.0	\$0.0	\$5.0	
21163	Ferry capital expansion and terminal improvements/relocation	\$6.0	\$0.0	\$6.0	
21165	BART Station enhancements and access improvements	\$84.6	\$0.0	\$84.6	
21166	BART Station vertical circulation (escalators, elevators, and stairs)	\$22.0	\$0.0	\$22.0	
21171	Pedestrian maintenance and safety improvements	\$46.0	\$0.0	\$46.0	
21173	Transit villages	\$17.0	\$0.0	\$17.0	
21175	BART Station enhancements and access improvements in Central Alameda County	\$38.4	\$0.0	\$38.4	
21176	BART Station vertical circulation expansion in Central Alameda County (escalators, elevators, and stairs)	\$10.0	\$0.0	\$10.0	
21184	Davis Street overcrossing	\$10.0	\$0.0	\$10.0	
21185	Eden Road extension	\$1.0	\$0.0	\$1.0	
21192	BART Station enhancements and access improvements in South Alameda County	\$7.7	\$0.0	\$7.7	
21193	BART Station vertical circulation expansion in Southern Alameda County (escalators, elevators, and stairs)	\$4.0	\$0.0	\$4.0	

**BLUEPRINT INVESTMENTS****ALAMEDA COUNTY**

<i>RTP Reference Number</i>	<i>Project/Program</i>	<i>(In Millions of 2001 Dollars)</i>			<i>Notes</i>
		<i>Total Project Cost</i>	<i>Existing Funding</i>	<i>Blueprint Funds</i>	
21199	BART Station enhancements & access improvements and vertical circulation improvements in Eastern Alameda County	\$9.7	\$0.0	\$9.7	
21645	Rehabilitation of non-MTS streets and roads (shortfall)	\$240.5	\$0.0	\$240.5	Addresses remaining shortfall after Track 1 investment
98502	Local streets and roads non-pavement maintenance (shortfall)	\$342.6	\$0.0	\$342.6	Addresses remaining shortfall
98523	Seismic retrofit and upgrade of local bridges and overpasses (shortfall)	\$14.4		\$14.4	Addresses remaining shortfall
<b><i>EASTSHORE-NORTH</i></b>					
21054	Light rail on San Pablo Avenue	TBD	TBD	TBD	
21157	I-80/Ashby-Shellmound interchange modifications	\$17.0	\$0.0	\$17.0	
21158	Intermodal transit improvements at the Emeryville Amtrak Station	\$2.0	\$0.0	\$2.0	
21167	Berkeley/Caltrans aquatic park sound barrier	\$6.5	\$3.5	\$3.0	
21168	Capitol Corridor intercity rail platform improvements at Berkeley stop	\$5.0	\$0.0	\$5.0	
21170	Doyle bicycle improvements in Emeryville	\$6.6	\$0.8	\$5.8	
<b><i>DIABLO</i></b>					
21106	Route 13/24 eastbound connector to Caldecott Tunnel	\$3.0	\$0.0	\$3.0	
<b><i>TRI-VALLEY</i></b>					
21039	I-238/I-580 truck bypass lane	\$118.4	\$0.0	\$118.4	Refer to MTC's Blueprint Project Notebook (June 2000)
21041	Westbound truck climbing lane over Altamont Pass	\$56.9	\$0.0	\$56.9	Refer to MTC's Blueprint Project Notebook (June 2000)
21198	BART to Livermore, tBART, express bus (mode subject to ongoing study)	TBD	TBD	TBD	Refer to MTC's Blueprint Project Notebook (June 2000)
21494	I-580 HOV lanes from Tassajara to Vasco Road (remaining segment)	\$84.5	\$0.0	\$84.5	Remaining segment after Track 1 investment; refer to MTC's 2000 Blueprint Project Notebook (June 2000)
21872	I-580 HOV lanes from Vasco Road east to Greenville Road	TBD	TBD	TBD	



**BLUEPRINT INVESTMENTS****ALAMEDA COUNTY**

(In Millions of 2001 Dollars)					
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
SUNOL GATEWAY					
21043	Direct HOV to HOV connectors between Route 84 HOV lanes and I-680 HOV lanes	TBD	TBD	TBD	
21088	Widen Route 84 to 4 lanes between Livermore and Sunol (portion not included in Committed Funding or Track 1)	\$120.0	\$0.0	\$120.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21089	I-680 to I-880 cross connector (Mission Boulevard or other alignments, to be determined)	TBD	TBD	TBD	Refer to MTC's Blueprint Project Notebook (June 2000)
21115	East 14th Street/Mission Boulevard improvements (Phases 2 and 3)	\$25.0	\$11.5	\$13.5	
21127	Route 84 (Vallecitos Road and Isabel Avenue) from I-580 to I-680 safety and capacity improvements	\$160.7	\$105.2	\$55.5	
21178	Crow Canyon safety improvements	\$2.7	\$0.0	\$2.7	

**BLUEPRINT INVESTMENTS****ALAMEDA COUNTY**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
EASTSHORE-SOUTH					
21091	Various I-880 interchange improvements: Winton Avenue, A Street, and others	\$30.0	\$0.0	\$30.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21092	Mission/Foothill/Jackson grade separation	\$42.0	\$0.0	\$42.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21093	New combined Clawiter/Whitesell/Route 92 interchange with new connected Whitesell from Hesperian north to Hesperian south	\$80.0	\$0.0	\$80.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21102	I-880/Industrial Parkway interchange northbound offramp (design phase only)	\$5.0	\$0.0	\$5.0	
21108	ITS deployment along 98th Avenue from I-880 to Oakland International Airport	\$18.0	\$3.0	\$15.0	
21109	New access road connecting Route 61 (Doolittle Drive) to Oakland International Airport North Field	\$10.4	\$1.9	\$8.5	
21153	Oakland/Berkeley/San Leandro AC Transit Corridor enhancement (Stage 2, BRT)	\$164.4	\$0.0	\$164.4	
21169	I-880 operational improvements	\$65.0	\$0.0	\$65.0	
21174	I-880/Broadway-Jackson interchange improvements (Phase 2)	\$35.0	\$0.0	\$35.0	
21179	Widen East Lewelling Boulevard in San Leandro	\$7.9	\$11.4	\$7.9	2000 Measure B sales tax project (see Committed project)
21180	I-880 A Street/I-880 interchange improvements	\$13.6	\$0.0	\$13.6	
21181	I-880/Winton interchange improvements	\$10.2	\$0.0	\$10.2	Refer to MTC's Blueprint Project Notebook (June 2000)
21182	I-880/Route 92 reliever route (Clawiter)	\$52.5	\$26.6	\$25.9	2000 Measure B sales tax and RM1 project; refer to MTC's Blueprint Project Notebook (June 2000)
21183	Mission/Foothill/Jackson grade separation	\$42.5	\$0.0	\$42.5	Refer to MTC's Blueprint Project Notebook (June 2000)
21186	Marina Boulevard/I-880 ramp improvements (Stages 1 & 2)	\$2.1	\$0.0	\$2.1	
21187	Polvarosa extension	\$1.5	\$0.0	\$1.5	
21188	San Leandro BART Station transit village	\$7.1	\$0.0	\$7.1	

**BLUEPRINT INVESTMENTS****ALAMEDA COUNTY**

<i>RTP Reference Number</i>	<i>Project/Program</i>	<i>(In Millions of 2001 Dollars)</i>			<i>Notes</i>
		<i>Total Project Cost</i>	<i>Existing Funding</i>	<i>Blueprint Funds</i>	
21189	Widen Marina Boulevard (Stage 2) from Tea Garden to Alvarado	\$2.0	\$0.0	\$2.0	
21195	Union City intermodal (Phase 2); includes 19 bus bay transit center and kiss-and-ride area	\$16.8	\$0.0	\$16.8	
21196	Union City intermodal (Phase 3): BART parking structure to support transit village	\$20.0	\$0.0	\$20.0	
21496	Joint Intermodal Terminal (JIT)-Port of Oakland access improvements (Phase 2)	\$31.0	\$0.0	\$31.0	Phase 1 included in Track 1
21567	AC Transit Enhanced Bus: Hesperian/Foothill/MacArthur Corridors	\$90.0	\$0.0	\$90.0	Included in the Regional Transit Expansion Policy
<b><i>FREMONT-SOUTH BAY</i></b>					
21566	ACE service expansion	\$121.0	\$0.0	\$121.0	Included in the Regional Transit Expansion Policy
21974	ACE operating with 30 minute peak and 60 minute off peak headways	TBD	TBD	TBD	
<b><i>TRANSBAY SAN MATEO-HAYWARD AND DUMBARTON BRIDGES</i></b>					
21839	Dumbarton commuter rail services	\$137.5	\$0.0	\$137.5	Total 25-year operating cost shown; Alameda, San Mateo, and Santa Clara County shares to be determined; refer to MTC's Blueprint Project Notebook (June 2000)

**BLUEPRINT INVESTMENTS****CONTRA COSTA COUNTY**

RTP Reference Number	Project/Program	(In Millions of 2001 Dollars)			Notes
		Total Project Cost	Existing Funding	Blueprint Funds	
CONTRA COSTA COUNTY-WIDE					
21217	BART system operations improvements: improvement to BART facilities, including automatic faregate collection expansion, vertical circulation, station access, station and track upgrades	\$75.0	\$0.0	\$75.0	
21218	Additional bus transit operations support	\$130.0	\$0.0	\$130.0	
21221	Improve existing ferry facilities, construct new facilities, and purchase of ferry vessels	\$20.0	\$0.0	\$20.0	
21225	Regional and local pedestrian and bicycle improvements, including overcrossing locations to be determined	\$20.0	\$0.0	\$20.0	
21646	Rehabilitation of non-MTS streets and roads (shortfall)	\$142.9	\$0.0	\$142.9	Addresses remaining shortfall after Track 1 investment
98503	Local streets and roads non-pavement maintenance (shortfall)	\$138.4	\$0.0	\$138.4	Addresses remaining shortfall
EASTSHORE-NORTH					
21058	BART to Hilltop Mall in Richmond	\$970.0	\$0.0	\$970.0	
21075	Various I-80 interchange improvements: Route 4, San Pablo Dam Road, Cummings Skyway, and others	\$125.0	\$0.0	\$125.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21224	Transit and highway operational improvements on I-80; includes rail, bus, and highway operational improvement in the I-80/San Pablo Avenue Corridor from Crockett to El Cerrito	\$250.0	\$0.0	\$250.0	
98211	I-80 eastbound HOV lane extension from Route 4 to the Crockett interchange just south of the Carquinez Bridge	\$48.6	\$6.5	\$42.1	

## BLUEPRINT INVESTMENTS

## CONTRA COSTA COUNTY

RTP Reference Number	Project/Program	(In Millions of 2001 Dollars)			Notes
		Total Project Cost	Existing Funding	Blueprint Funds	
DELTA					
21033	Widen Route 4 to 8 lanes (two new HOV) between Route 242 and I-680	TBD	TBD	TBD	
21034	Route 4 Brentwood Bypass improved to full 4 lane freeway from Route 160 to Walnut Boulevard south of Brentwood	\$31.0	\$0.0	\$31.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21035	Widen Vasco Road to 4 lanes from Route 4 Bypass to I-580 in Livermore	TBD	TBD	TBD	
21055	BART to Antioch (2 stations extension)	TBD	TBD	TBD	
21079	Widen Route 4 to 6 lanes from I-680 to Route 242 with new I-680 interchange	\$14.0	\$0.0	\$14.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21080	Various Route 4 interchange improvements: Hillcrest Avenue, Contra Loma, and others	\$64.4	\$0.0	\$64.4	Refer to MTC's Blueprint Project Notebook (June 2000)
21219	Tracy-Brentwood Expressway: Expressway on new alignment around Byron	\$40.0	\$0.0	\$40.0	
21226	Route 4 East and Bypass: Add mainline capacity, interchange for grade separations, and parallel arterial improvement projects along SR 4 and the SR 4 Bypass from Pittsburg to Brentwood and points east	\$100.0	\$0.0	\$100.0	
21227	Route 4 East rail improvements connecting Bay Point BART to Brentwood and Tracy	\$250.0	\$0.0	\$250.0	
21228	Route 4 West transit and highway operational improvement on Route 4 and the San Pablo Dam Road corridor connecting west and central Contra Costa County	\$30.0	\$0.0	\$30.0	
21970	eBart on Route 4 using railroad tracks from Brentwood to North Concord	TBD	TBD	TBD	

**BLUEPRINT INVESTMENTS****CONTRA COSTA COUNTY**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
DIABLO					
21036	Selected additional I-680 auxiliary lanes south of I-680/24 interchange	TBD	TBD	TBD	
21037	Widen I-680 to 6 lanes (all mixed flow) north of Benicia Bridge	\$57.2	\$0.0	\$57.2	Refer to MTC's Blueprint Project Notebook (June 2000)
21038	Increase I-680/Route 4 interchange capacity and HOV-to-HOV connectors between Route 4 and I-680 (westbound Route 4 to southbound I-680)	\$50.0	\$0.0	\$50.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21223	Transit and highway improvements on I-680 between the Carquinez Straits and Alameda County to improve peak period operations, including additional auxiliary lanes, HOV lanes, rail or bus transit, interchanges and arterial improvements	\$400.0	\$0.0	\$400.0	
TRI-VALLEY					
21222	I-580/Richmond Parkway/San Rafael Bridge Corridor improvements: includes arterial and interchange improvements, ferry service, park and ride facilities, truck route changes and improvements, and bike/pedestrian improvements	\$20.0	\$0.0	\$20.0	

**BLUEPRINT INVESTMENTS****MARIN COUNTY**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
MARIN COUNTY-WIDE					
21324	Rehabilitation of non-MTS streets and roads (shortfall)	\$31.5	\$0.0	\$31.5	Addresses remaining shortfall after Track 1 investment
21327	Local streets and roads non-pavement maintenance (shortfall)	\$128.9	\$0.0	\$128.9	Addresses remaining shortfall after Track 1 investment
21330	Additional bicycle and pedestrian projects from Master Plan	\$47.6	\$0.0	\$47.6	

## BLUEPRINT INVESTMENTS

## MARIN COUNTY

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
GOLDEN GATE					
21030	I-580/US 101 interchange improvements and new freeway-to-freeway connectors (westbound I-580 to northbound and southbound US 101)	TBD	TBD	TBD	Refer to MTC's Blueprint Project Notebook (June 2000)
21309	Sonoma-Marin Rail passenger service (Marin County portion of project)	\$80.0	\$25.8	\$54.2	Included in the Regional Transit Expansion Policy; refer to MTC's Blueprint Project Notebook (June 2000); companion to Sonoma County project #21907.
21310	New North Bay port development and service to San Francisco	\$26.8	\$0.0	\$26.8	
21311	Expand ferry service from Larkspur to San Francisco and expand Larkspur Terminal	\$81.3	\$0.0	\$81.3	Refer to MTC's Blueprint Project Notebook (June 2000)
21312	Relocate Larkspur Ferry Terminal to San Quentin	TBD	TBD	TBD	
21313	US 101 ramp metering at key access points	TBD	TBD	TBD	
21314	US 101/Sausalito (Alexander Avenue) interchange improvements	\$5.0	\$0.0	\$5.0	
21315	US 101/Marinwood interchange improvements; includes signalize ramp intersections at Miller Creek Road	\$1.0	\$0.0	\$1.0	
21317	Route 1 from US 101 to Flamingo Road	\$6.2	\$0.0	\$6.2	
21323	Golden Gate Bridge Highway and Transit District Operations and Maintenance projects; includes Toll Plaza bus stop relocation, under-deck rehabilitation, maintenance facility, Larkspur Ferry terminal expansion	\$77.0	\$0.0	\$77.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21325	US 101/Greenbrae interchange (design and construction phases)	\$24.7	\$0.0	\$24.7	
21326	US 101/Tiburon interchange improvements (remaining phases)	\$4.2	\$0.0	\$4.2	
21329	Manzanita park-and-ride lot (remaining phases)	\$4.4	\$0.0	\$4.4	
21331	Local Marin Bus Service Enhancements (capital costs) (remaining phases)	\$281.2	\$0.0	\$281.2	
21333	US 101/Tamalpais interchange Improvements (remaining phases)	\$4.0	\$0.0	\$4.0	



**BLUEPRINT INVESTMENTS****MARIN COUNTY**

<i>(In Millions of 2001 Dollars)</i>					
<i>RTP Reference Number</i>	<i>Project/Program</i>	<i>Total Project Cost</i>	<i>Existing Funding</i>	<i>Blueprint Funds</i>	<i>Notes</i>
21334	US 101/Lucas Valley interchange improvements (remaining phases)	\$12.0	\$0.0	\$12.0	
21335	US 101/Atherton interchange improvements (remaining phases)	\$1.0	\$0.3	\$1.0	
21891	Sonoma-Marin Rail service extension to connect to Larkspur Ferry terminal/San Quentin	TBD	TBD	TBD	
<b><i>NORTH BAY EAST-WEST</i></b>					
21316	Widen Route 37 from Lakeville Road to US 101	\$10.0	\$0.0	\$10.0	
<b><i>TRANSBAY RICHMOND-SAN RAFAEL BRIDGE</i></b>					
21318	Increased express bus service	\$455.8	\$0.0	\$455.8	Includes service from Marin/Sonoma to San Francisco; Marin to Contra Costa, and Intra-Marin and Intra-Sonoma services; refer to MTC's Blueprint Project Notebook (June 2000)
21319	Add park-and-ride facilities at either end of bridge	TBD	TBD	TBD	
21321	Golden Gate Bridge, Highway and Transit District: expanded Sonoma/Marin, Marin/Contra Costa, Intra Marin services (capital costs)	\$11.6	\$0.0	\$11.6	

**BLUEPRINT INVESTMENTS****NAPA COUNTY**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
NAPA COUNTY-WIDE					
21405	Rehabilitation of non-MTS streets and roads (remaining shortfall)	\$77.3	\$0.0	\$77.3	Addresses remaining shortfall after Track 1 investment
98505	Local streets and roads non-pavement maintenance shortfall	\$123.0	\$0.0	\$123.0	
98526	Seismic retrofit and upgrade of local bridges and overpasses (shortfall)	\$14.8	\$0.0	\$14.8	
NORTH BAY EAST-WEST					
21068	Safety improvements on Route 121	\$17.5	\$0.0	\$17.5	Refer to MTC's Blueprint Project Notebook (June 2000)
21071	Widen Route 29 to 6 lanes from Route 221 to Route 29/12/Airport Road	\$10.0	\$0.0	\$10.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21411	Transit operations and capital for routes from Napa to Fairfield, Santa Rosa, and Sonoma	\$5.4	\$0.0	\$63.5	
21415	Additional capacity in Route 29 corridor from Route 12 to Solano County	\$10.0	\$0.0	\$10.0	

**BLUEPRINT INVESTMENTS****NAPA COUNTY**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
NAPA VALLEY					
21406	Widen Route 121 to six lanes from Magnolia Drive to Kansas Street	\$0.6	\$0.0	\$0.6	
21407	Widen Route 121 (Soscol) from 4 lanes to six lanes from Kansas Street to the Silverado Trail	\$1.2	\$0.0	\$1.2	
21409	Widen Imola from 4 lanes to 6 lanes from Coombs to Shurtleff	\$2.1	\$0.0	\$2.1	
21410	Extend Flosden Road as a four-lane arterial from American Canyon Road to North Kelly	\$22.0	\$0.0	\$22.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21412	Complete remaining bicycle projects from Napa Countywide Bike Plan	\$34.4	\$0.0	\$33.4	
21413	Non-capacity increasing operational improvements on MTS and non-MTS streets and roads in Napa Valley	\$36.5	\$0.0	\$36.5	
21414	Additional capacity on Route 29 from Route 12 to American Canyon Road to Napa County line	\$30.0	\$0.0	\$30.0	
21416	Reserve for additional transportation needs in Napa County	\$142.2	\$0.0	\$142.2	

## BLUEPRINT INVESTMENTS

## SAN FRANCISCO COUNTY

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
SAN FRANCISCO COUNTY-WIDE					
21513	Local bridge repair and seismic work	\$25.0	\$0.0	\$25.0	
21518	Transit enhancements and extensions	TBD	TBD	TBD	
21519	Integrated Traffic Management System	\$15.0	\$7.1	\$15.0	
21522	Bus Rapid Transit	\$60.0	\$0.0	\$60.0	
21523	Grade separations	\$90.0	\$0.0	\$90.0	
21526	Transit rehabilitation and replacement	TBD	TBD	TBD	Proposed for potential rollover of half-cent sales tax.
21528	Traffic signals and street signs	TBD	TBD	TBD	Proposed for potential rollover of half-cent sales tax.
21529	Major roadway capital projects	TBD	TBD	TBD	Proposed for potential rollover of half-cent sales tax.
21530	Pedestrian projects and programs	TBD	TBD	TBD	Proposed for potential rollover of half-cent sales tax.
21531	Bicycle projects and programs	TBD	TBD	TBD	Proposed for potential rollover of half-cent sales tax.
21532	Traffic Calming	TBD	TBD	TBD	Proposed for potential rollover of half-cent sales tax.
21533	Street Tree Program	TBD	TBD	TBD	Proposed for potential rollover of half-cent sales tax.
21534	Paratransit	TBD	TBD	TBD	Proposed for potential rollover of half-cent sales tax.
21535	Ridesharing and transit preference	TBD	TBD	TBD	Proposed for potential rollover of half-cent sales tax.
21545	Transit major corridor studies and extensions	TBD	TBD	TBD	Proposed for potential rollover of half-cent sales tax.
98500	Rehabilitation of non-MTS streets and roads (shortfall)	\$124.1		\$124.1	Addresses remaining shortfall after Track 1 investment
98506	Local streets and roads non-pavement maintenance (shortfall)	\$111.5	\$0.0	\$111.5	Adresses shortfall

**BLUEPRINT INVESTMENTS****SAN FRANCISCO COUNTY**

RTP Reference Number	Project/Program	(In Millions of 2001 Dollars)			Notes
		Total Project Cost	Existing Funding	Blueprint Funds	
PENINSULA					
21538	Caltrain express tracks (Phase 2) (San Francisco County share)	\$110.0	\$0.0	\$110.0	Included in the Regional Transit Expansion Policy; cost is divided equally among the three Joint Powers Board counties (San Francisco, San Mateo, and Santa Clara)
21539	Caltrain express tracks (Phase 3) (San Francisco County share)	\$75.3	\$0.0	\$75.3	Cost is divided equally among the three Joint Powers Board counties (San Francisco, San Mateo, and Santa Clara)
21540	Caltrain additional rolling stock	\$48.3	\$0.0	\$48.3	Cost is divided equally among the three Joint Powers Board counties (San Francisco, San Mateo, and Santa Clara).
21541	Caltrain local station improvements	\$10.0	\$0.0	\$10.0	
21542	Caltrain grade separations (Phase 3)	\$90.0	\$0.0	\$90.0	
SAN FRANCISCO					
21064	MUNI light rail in Geary corridor to 49th Avenue	TBD	TBD	TBD	
21520	Relocate Paul Avenue Caltrain station	\$15.0	\$0.0	\$15.0	
21536	Great Highway Erosion Repair	\$15.0	\$0.0	\$15.0	
21546	Bicycle projects and programs	\$10.0	\$0.0	\$10.0	
21977	Caltrain San Francisco Downtown Extension with added 20 minute off peak service	TBD	TBD	TBD	Refer to MTC's Blueprint Project Notebook (June 2000)
21984	Electrify additional Muni trolley routes	\$20.0	\$0.0	\$20.0	Refer to MTC's Blueprint Project Notebook (June 2000)
TRANSBAY BAY BRIDGE					
21050	Treasure Island ramps	\$44.0	\$0.0	\$44.0	Refer to MTC's Blueprint Project Notebook (June 2000)

**BLUEPRINT INVESTMENTS****SAN MATEO COUNTY**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
SAN MATEO COUNTY-WIDE					
21630	Expansion of SamTrans express service	TBD	TBD	TBD	
21631	Bicycle and pedestrian projects	\$19.0	\$0.0	\$19.0	
21647	Rehabilitation of non-MTS streets and roads (shortfall)	\$19.3	\$0.0	\$19.3	Addresses remaining shortfall after Track 1 investment
98507	Local streets and roads non-pavement maintenance (shortfall)	\$113.1	\$0.0	\$113.1	
98528	Seismic retrofit and upgrade of local bridges and overpasses (shortfall)	\$21.9	\$0.0	\$21.9	

## BLUEPRINT INVESTMENTS

## SAN MATEO COUNTY

RTP Reference Number	Project/Program	(In Millions of 2001 Dollars)			Notes
		Total Project Cost	Existing Funding	Blueprint Funds	
PENINSULA					
21611	Bayfront Expressway extension from Marsh Road to Woodside Road (4 lanes)	\$60.0	\$0.0	\$60.0	
21613	Route 92 improvements, includes uphill passing lane from US 101 to I-280	\$81.6	\$9.4	\$71.9	Measure A sales tax project
21614	US 101/Candlestick interchange reconstruction	\$45.4	\$4.5	\$40.9	Measure A sales tax project
21615	Widen Route 280 eastbound by one lane from eastbound Route 1 to southbound Route 280 and Serramonte Boulevard	\$39.8	\$4.1	\$35.7	Measure A sales tax project
21616	Route 280/Crestview Drive connection	TBD	TBD	TBD	
21619	Caltrain express tracks (Phase 2) (San Mateo County share)	\$110.0	\$0.0	\$110.0	Included in the Regional Transit Expansion Policy; cost is divided equally among the three Joint Powers Board counties (San Francisco, San Mateo, and Santa Clara).
21620	Caltrain express tracks (Phase 3) (San Mateo County share)	\$75.3	\$0.0	\$75.3	Cost is divided equally among the three Joint Powers Board counties (San Francisco, San Mateo, and Santa Clara).
21621	Caltrain additional rolling stock (San Mateo County share)	\$48.3	\$0.0	\$48.3	Cost is divided equally among the three Joint Powers Board counties (San Francisco, San Mateo, and Santa Clara).
21623	Additional Caltrain local station improvements in San Mateo County	\$6.8	\$0.0	\$6.8	
21625	Caltrain grade separations in San Mateo County (Phase 2)	\$8.0	\$0.0	\$8.0	
21628	Caltrain grade separations in San Mateo County (Phase 3)	\$425.0	\$0.0	\$425.0	
21894	US 101/Candlestick Park interchange modification	TBD	TBD	TBD	
21895	Dumbarton Bridge to southbound US 101 connector in Palo Alto	TBD	TBD	TBD	
21937	Various US 101 interchange improvements which facilitate ramp metering	\$54.6	\$0.0	\$54.6	Refer to MTC's Blueprint Project Notebook (June 2000)
21938	High priority Caltrain grade separations	TBD	TBD	TBD	
21939	Widen Route 92 between US 101 and I-280 from 4 lanes to 6 lanes	\$100.0	\$0.0	\$100.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21940	Caltrain fully graded separated	TBD	TBD	TBD	

**BLUEPRINT INVESTMENTS****SAN MATEO COUNTY**

<i>RTP Reference Number</i>	<i>Project/Program</i>	<i>(In Millions of 2001 Dollars)</i>			<i>Notes</i>
		<i>Total Project Cost</i>	<i>Existing Funding</i>	<i>Blueprint Funds</i>	
98203	Widen Route 1 from 2 to 4 Lanes within the Half Moon Bay City Limits	\$32.1	\$3.7	\$28.4	
<b><i>TRANSBAY SAN MATEO-HAYWARD AND DUMBARTON BRIDGES</i></b>					
21051	San Mateo and Dumbarton Bridges: add lanes to bridges beyond current improvements (concept under evaluation in Bay Crossings Study)	TBD	TBD	TBD	
21612	New Route 84 connector from Dumbarton Bridge to US 101 in Palo Alto	TBD	TBD	TBD	
21880	Dumbarton commuter rail services	\$137.5	\$0.0	\$137.5	Total 25-year operating cost shown; Alameda, San Mateo, and Santa Clara County shares to be determined; refer to MTC's Blueprint Project Notebook (June 2000)



**BLUEPRINT INVESTMENTS****SANTA CLARA COUNTY**

RTP Reference Number	Project/Program	(In Millions of 2001 Dollars)			Notes
		Total Project Cost	Existing Funding	Blueprint Funds	
SANTA CLARA COUNTY-WIDE					
21648	Local streets and roads non-pavement maintenance (shortfall)	\$256.6	\$0.0	\$256.6	Addresses remaining shortfall after Track 1 investment
EASTSHORE-SOUTH					
21758	I-880/Montague Expressway interchange reconstruction improvements	TBD	TBD	TBD	
FREMONT-SOUTH BAY					
21045	Widen I-880 to 8 lanes (adds 2 new HOV lanes) from Route 237 to US 101	\$260.0	\$0.0	\$260.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21060	ACE: Tri-Valley to Silicon Valley service via the Dumbarton Bridge to Millbrae	TBD	TBD	TBD	

**BLUEPRINT INVESTMENTS****SANTA CLARA COUNTY**

RTP Reference Number	Project/Program	(In Millions of 2001 Dollars)			Notes
		Total Project Cost	Existing Funding	Blueprint Funds	
SILICON VALLEY					
21062	Caltrain service to Salinas/Monterey	TBD	TBD	TBD	
21550	Montague Expressway: Grade Separate by Interchange at McCarthy/O'Toole	\$52.6	\$0.0	\$52.6	
21551	San Tomas Expressway: Add lane in each direction for HOV enhancement between El Camino Real and I-280	\$21.0	\$0.0	\$21.0	
21552	Almaden Expressway: Auxiliary lanes between Blossom Hill and Branham	\$2.0	\$0.0	\$2.0	
21553	Almaden Expressway: Auxiliary/turn lanes at Rajkovich/Via Valiente	\$1.0	\$0.0	\$1.0	
21554	Capitol Expressway: Add turn lanes at Senter	\$2.0	\$0.0	TBD	
21555	Capitol Expressway: Add turn lane at Silver Creek	\$2.0	\$0.0	\$2.0	
21556	Central Expressway: 8-phase and add turn lanes at Rengstorff	\$2.0	\$0.0	\$2.0	
21557	Foothill Expressway: Auxiliary lanes, added turn lanes at El Monte	\$2.5	\$0.0	\$2.5	
21558	Foothill Expressway: Signal upgrades at all locations	\$2.5	\$0.0	\$2.5	
21559	Lawrence Expressway: Add turn lanes at Moorpark	\$1.0	\$0.0	\$1.0	
21560	Lawrence Expressway: Add turn lane at Arques	\$1.0	\$0.0	\$1.0	
21561	Lawrence Expressway: Add turn lanes at Prospect	\$2.0	\$0.0	\$2.0	
21562	Lawrence Expressway: Add turn lane at Saratoga	\$2.0	\$0.0	\$2.0	
21563	San Tomas Expressway: Add turn lanes at Hamilton	\$1.0	\$0.0	\$1.0	
21564	San Tomas Expressway: Add turn lane at Monroe	\$2.0	\$0.0	\$2.0	
21565	TOS Improvements on all Santa Clara County expressways	\$3.4	\$0.0	\$3.4	
21701	I-880/Brokaw Road interchange improvements	\$35.0	\$0.0	\$35.0	

## BLUEPRINT INVESTMENTS

## SANTA CLARA COUNTY

RTP Reference Number	Project/Program	(In Millions of 2001 Dollars)			Notes
		Total Project Cost	Existing Funding	Blueprint Funds	
21704	Downtown access improvements between 3rd Street and 7th Street at I-280	\$20.0	\$0.0	\$20.0	
21705	El Camino Real/Grant Road/Route 237 operational Intersection improvements	\$1.0	\$0.0	\$1.0	
21709	Widen I-880 for HOV lanes from SR 237 to Montague Expressway	\$45.0	\$0.0	\$45.0	
21710	I-880/Route 17/I-280 interchange improvements	\$30.0	\$0.0	\$30.0	
21711	Lawrence Expressway/I-280 interchange modification	\$25.0	\$0.0	\$25.0	
21725	US 101 conversion to full 6-lane highway from Monterey Road to Route 25	\$30.0	\$0.0	\$30.0	
21726	US 101 conversion to full 4-lane highway from Route 25 to Santa Clara/San Benito County line	\$70.0	\$0.0	\$70.0	
21728	Widen US 101 from south of Cochrane Road to County line from 6 lanes to 8 lanes (includes HOV lanes)	\$100.0	\$0.0	\$100.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21789	Zero emission vehicles and facilities - 750 VTA Bus Fleet	\$50.0	\$50.0	\$50.0	
21793	Downtown East Valley: Eastridge to Guadalupe LRT	\$292.0	\$0.0	\$292.0	
21795	Future light rail corridors, includes candidate corridors such as Sunnyvale/Cupertino, Santa Teresa/Coyote Valley, Stevens Creek Boulevard, West San Jose/Santa Clara, North County/Palo Alto	TBD	TBD	TBD	To be determined by a Major Investment Study (MIS).
21841	San Jose-Santa Clara fourth main track and station upgrades (Phase 2)	\$40.9	\$0.0	\$41.0	Phase 1 included in Track 1
21920	Palo Alto Intermodal Transit Center (Phase 2)	\$100.0	\$0.0	\$100.0	Phase 1 included in Committed Funding
21930	Additional countywide freeway interchange improvements in Santa Clara County	TBD	TBD	TBD	

## BLUEPRINT INVESTMENTS

## SANTA CLARA COUNTY

RTP Reference Number	Project/Program	(In Millions of 2001 Dollars)			Notes
		Total Project Cost	Existing Funding	Blueprint Funds	
PENINSULA					
21046	Route 152 to full expressway to San Benito County line	TBD	TBD	TBD	
21759	Caltrain additional rolling stock (Santa Clara County share)	\$48.3	\$0.0	\$48.3	Cost is divided equally among the three Joint Powers Board counties (San Francisco, San Mateo, and Santa Clara).
21763	Caltrain express tracks (Phase 2) (San Francisco County share)	\$110.0	\$0.0	\$110.0	Included in the Regional Transit Expansion Policy; cost is divided equally among the three Joint Powers Board counties (San Francisco, San Mateo, and Santa Clara).
21764	Caltrain express tracks (Phase 3) (San Francisco County share)	\$75.3	\$0.0	\$75.3	Cost is divided equally among the three Joint Powers Board counties (San Francisco, San Mateo, and Santa Clara).
21766	Caltrain grade separations in Santa Clara County (Phase 2)	\$100.0	\$0.0	\$100.0	
21767	Caltrain grade separations in Santa Clara County (Phase 3)	\$200.0	\$0.0	\$200.0	
TRANSBAY SAN MATEO-HAYWARD AND DUMBARTON BRIDGES					
21792	Dumbarton rail bridge rehabilitation (Santa Clara County share)	\$40.0	\$40.0	TBD	Santa Clara share funded through Measure A; companion to Alameda County project #21194 and San Mateo County project #21618. Operating plan TBD by counties.
21881	Dumbarton commuter rail services	\$137.5	\$0.0	\$137.5	Total 25-year operating cost shown; Alameda, San Mateo, and Santa Clara County shares to be determined; refer to MTC's Blueprint Project Notebook (June 2000)

**BLUEPRINT INVESTMENTS****SOLANO COUNTY**

RTP Reference Number	Project/Program	(In Millions of 2001 Dollars)			Notes
		Total Project Cost	Existing Funding	Blueprint Funds	
SOLANO COUNTY-WIDE					
21802	Rehabilitation of non-MTS streets and roads (shortfall)	\$80.6	\$0.0	\$80.6	Addresses remaining shortfall after Track 1 investment
21803	Non-capacity increasing safety projects to improve congested intersections, local arterials and highways	\$25.0	\$0.0	\$25.0	
21804	Park-and-ride lots	\$25.0	\$0.0	\$25.0	
21805	Bicycle and pedestrian projects	\$33.0	\$0.0	\$33.0	
21806	Local Streets and roads non-pavement maintenance (shortfall)	\$124.7	\$0.0	\$124.7	Addresses remaining shortfall after Track 1 investment
21810	Match for local interchanges and arterials (assumes match to be up to 50% of total project cost)	\$290.0	\$0.0	\$290.0	
21811	Bus, ferry and paratransit operating shortfalls	\$75.0	\$0.0	\$75.0	
21812	Transportation for Livable Communities Program - county program (additional local enhancements)	\$6.4	\$2.4	\$6.4	
21814	Solano County intercity bus service and transit hubs (capital costs)	\$7.0	\$0.0	\$7.0	
NORTH BAY EAST-WEST					
21031	Widen Route 37 to 4 lanes with environmental mitigation	\$154.5	\$0.0	\$154.5	Refer to MTC's Blueprint Project Notebook (June 2000)
21072	Widen Route 12 to 4 lanes between Suisun City and Rio Vista, includes support for feasibility study of a new Rio Vista Bridge at Route 12 and Sacramento River	\$14.0	\$0.0	\$14.0	Refer to MTC's Blueprint Project Notebook (June 2000) and Route 12 MIS
21824	SR 12 improvements (Sacramento River to I-80) (Phase 2)	\$109.0	\$0.0	\$109.0	Refer to MTC's Blueprint Project Notebook (June 2000) and Route 12 MIS

**BLUEPRINT INVESTMENTS****SOLANO COUNTY**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
EASTSHORE-NORTH					
21032	Add new HOV lane in each direction on I-80 between Route 37 and Carquinez Bridge	TBD	TBD	TBD	Refer to MTC's Blueprint Project Notebook (June 2000)
21076	Widen I-80 from 6 lanes to 8 lanes between Vacaville and Dixon	\$22.5	\$0.0	\$22.5	Partially funded in Track 1; Blueprint funds remaining segments; refer to MTC's Blueprint Project Notebook (June 2000)
21813	I-80 HOV lanes between I-680 in Fairfield and I-505 in Vacaville (Phase 2)	\$97.6	\$0.0	\$97.6	Partially funded in Track 1; Blueprint funds remaining segments
21815	Express bus service on I-80 (capital and operating costs for services not funded in Regional Express Bus Program)	\$16.9	\$0.0	\$16.9	
21818	Vallejo intermodal ferry station (Phase 2)	\$5.0	\$0.0	\$5.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21822	Complete and extend HOV system on I-80 and/or I-680 to connect to other planned HOV facilities	\$100.0	\$0.0	\$100.0	
21981	Capitol Corridor intercity rail with stations in Benicia, Vacaville, and Dixon	\$19.6	\$0.0	\$19.6	Refer to MTC's Blueprint Project Notebook (June 2000)
DIABLO					
21808	I-80/I-680/Route 12 interchange (Phase 3): widen I-80 by 2 lanes in each direction (1 mixed flow and 1 HOV lane) between I-680 and Route 12 West	\$227.0	\$0.0	\$227.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21821	Additional express bus service on I-680 (capital costs)	\$2.0	\$0.0	\$2.0	

**BLUEPRINT INVESTMENTS****SONOMA COUNTY**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
SONOMA COUNTY-WIDE					
21917	Bicycle and pedestrian projects in Countywide Transportation Plan	\$3.7	\$0.0	\$3.7	
98510	Streets and roads non-pavement maintenance (shortfall) (MTS and non-MTS)	\$176.0	\$0.0	\$176.0	
GOLDEN GATE					
21069	Additional interchange improvements in Golden Gate Corridor (beyond improvements funded in Track 1)	TBD	TBD	TBD	
21884	Petaluma cross town connector/interchange	TBD	TBD	TBD	
21905	Sonoma County Transit Operators (excluding GGBHTD) - service expansion	\$60.0	\$0.0	\$60.0	
21906	Other potential transit projects	\$100.0	\$0.0	\$100.0	These projects are in addition to the expansion needs cited in the 2001 Countywide Plan Project List.
21907	Sonoma-Marin Rail passenger service (Sonoma County portion of project)	\$120.0	\$35.5	\$84.5	Included in the Regional Transit Expansion Policy; refer to MTC's Blueprint Project Notebook (June 2000); companion to Marin County project #21309
21908	Ferry service from Port Sonoma	\$25.0	\$0.0	\$25.0	Refer to MTC's Blueprint Project Notebook (June 2000)
21909	Other potential highway projects	\$100.0	\$0.0	\$100.0	Specific projects could come from the 2001 Countywide Plan Project List
21910	Northwestern Pacific bike path	\$10.3	\$0.0	\$10.3	
21911	Other potential bike and pedestrian projects	\$10.0	\$0.0	\$10.0	
21912	Seismic retrofit and upgrade of local bridges and overpasses (shortfall)	\$51.9	\$0.0	\$51.9	Addresses shortfall
21913	Rehabilitation of non-MTS streets and roads pavement (shortfall)	\$173.5	\$0.0	\$173.5	Addresses remaining shortfall after Track 1 investment
21915	Roadway projects from the SCTA Countywide Transportation Plan List	\$350.2	\$0.0	\$350.2	

**BLUEPRINT INVESTMENTS****SONOMA COUNTY**

		(In Millions of 2001 Dollars)			
RTP Reference Number	Project/Program	Total Project Cost	Existing Funding	Blueprint Funds	Notes
NORTH BAY EAST-WEST					
21070	Realign Route 116 (Stage Gulch Road) along Champlin Creek and widen the remaining segments	\$27.8	\$0.0	\$27.8	Refer to MTC's Blueprint Project Notebook (June 2000)